Publication Title:

THREE-DIMENSIONAL CURSOR POSITIONING DEVICE

Abstract:

Abstract of JP8030388

PURPOSE: To exactly set a cursor position, without using any expensive parts or the like by selectively receiving a light from an optoelectronics device by right and left encoder wheels each having shaft fitted with a finger driven ring. CONSTITUTION: A spring-biased roller 130 is projected upward from a lower part housing 104, a ball 117 is biased against an encoder wheel shaft 122, and when the ball 117 is rotated by sliding a mouse 100, an encoder wheel 124 is rotated. Moreover, conical trapezoidal finger driven rings 106 and 108 are provided at right and left parts for applying three-dimensional cursor position setting. Then, when the encoder wheel 124 fixed to a finger driven ring shaft 138 is rotated, a light from a light-emitting diode 146 is interrupted or transmitted through the notch of the encoder wheel 124, and received by a phototransistor 148. This process is repeated, and a right angular signal used for calculating cursor movement is generated, and a Z-dimensional coordinate signal is given.

e15 Data supplied from the esp@cenet database - Worldwide

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